

INTERNATIONAL SEARCH REPORT

Inte onal Application No
PC., JK2004/000837

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H02M3/07 H04R1/04 H04R3/00 H04R19/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H02M G11C H04R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 490 220 A (LOEPPERT ET AL) 6 February 1996 (1996-02-06) figures 5-7 column 1, line 9 - line 30 column 1, line 46 - line 54 column 2, line 37 - line 42 column 5, line 35 - line 45 claim 1	1-27
A	EP 0 562 738 A (HEWLETT-PACKARD COMPANY) 29 September 1993 (1993-09-29) figures 1-4 column 1, line 10 - line 22 column 2, line 4 - line 6 column 4, line 44 - line 49 column 4, line 57 - column 5, line 2 column 5, line 51 - column 6, line 7 column 6, line 56 - column 7, line 5 ----- -/--	1-27



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

24 February 2005

Date of mailing of the international search report

04/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Moscu, V

INTERNATIONAL SEARCH REPORT

In International Application No
PCT/JP2004/000837

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 2004/057909 A (SONIONMEMS A/S; MUELLENBORN, MATTHIAS; VAN HALTEREN, AART, ZEGER; SONI) 8 July 2004 (2004-07-08) figures 1a,1b page 1, line 5 - line 7 page 1, line 27 - line 29 page 2, line 12 - line 20 page 6, line 30 - page 7, line 4 -----	1-27
A	DICKSON J F: "ON-CHIP HIGH-VOLTAGE GENERATION IN MNOS INTEGRATED CIRCUITS USING AN IMPROVED VOLTAGE MULTIPLIER TECHNIQUE" IEEE JOURNAL OF SOLID-STATE CIRCUITS, IEEE INC. NEW YORK, US, vol. SC-11, no. 3, June 1976 (1976-06), pages 374-378, XP009035607 ISSN: 0018-9200 the whole document -----	1-27
A	US 5 675 279 A (FUJIMOTO ET AL) 7 October 1997 (1997-10-07) the whole document -----	1-27
A	US 2003/133588 A1 (PEDERSEN MICHAEL) 17 July 2003 (2003-07-17) the whole document -----	1-27

INTERNATIONAL SEARCH REPORT

Information on patent family members

In International Application No
F01/ JK2004/000837

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5490220	A	06-02-1996	AU 2472595 A	29-11-1995
			DE 69511207 D1	09-09-1999
			DE 69511207 T2	03-02-2000
			DK 707781 T3	31-01-2000
			EP 0707781 A1	24-04-1996
			WO 9531082 A1	16-11-1995
			AU 3526093 A	23-09-1993
			CA 2092627 A1	19-09-1993
			DE 69325732 D1	02-09-1999
			DE 69325732 T2	27-04-2000
			DK 561566 T3	27-03-2000
			EP 0561566 A2	22-09-1993
			FI 931183 A	19-09-1993
			JP 3451593 B2	29-09-2003
			JP 7050899 A	21-02-1995
			NO 930970 A	20-09-1993
EP 0562738	A	29-09-1993	US 5377273 A	27-12-1994
			DE 69327013 D1	23-12-1999
			DE 69327013 T2	24-02-2000
			EP 0562738 A2	29-09-1993
			JP 3152536 B2	03-04-2001
			JP 6054393 A	25-02-1994
WO 2004057909	A	08-07-2004	US 2004120540 A1	24-06-2004
			WO 2004057909 A2	08-07-2004
US 5675279	A	07-10-1997	JP 3043201 B2	22-05-2000
			JP 6311732 A	04-11-1994
			KR 128512 B1	07-04-1998
US 2003133588	A1	17-07-2003	AU 2002365352 A1	10-06-2003
			WO 03047307 A2	05-06-2003